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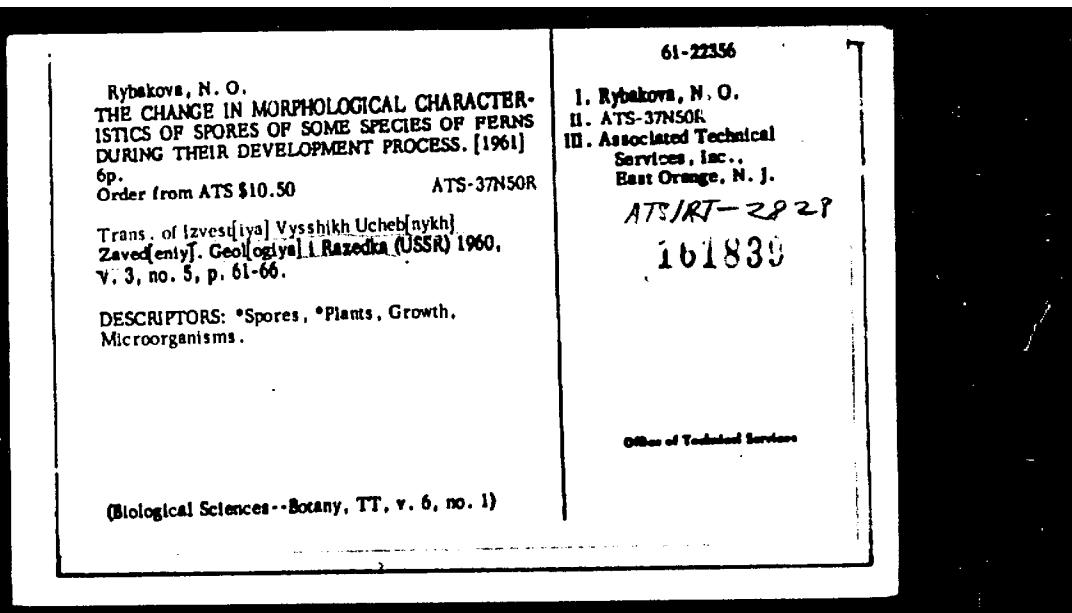
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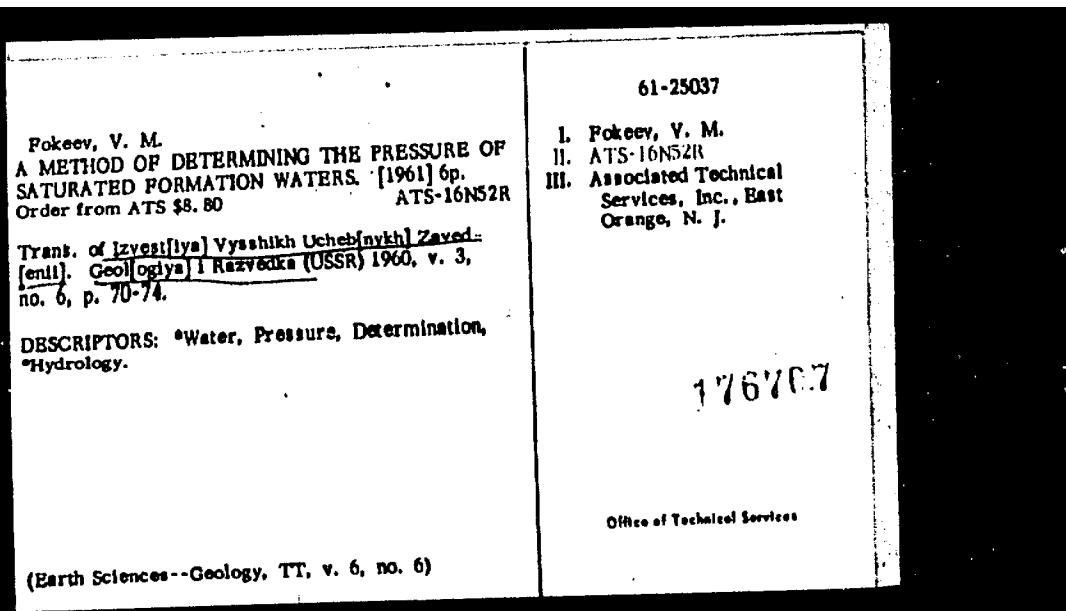
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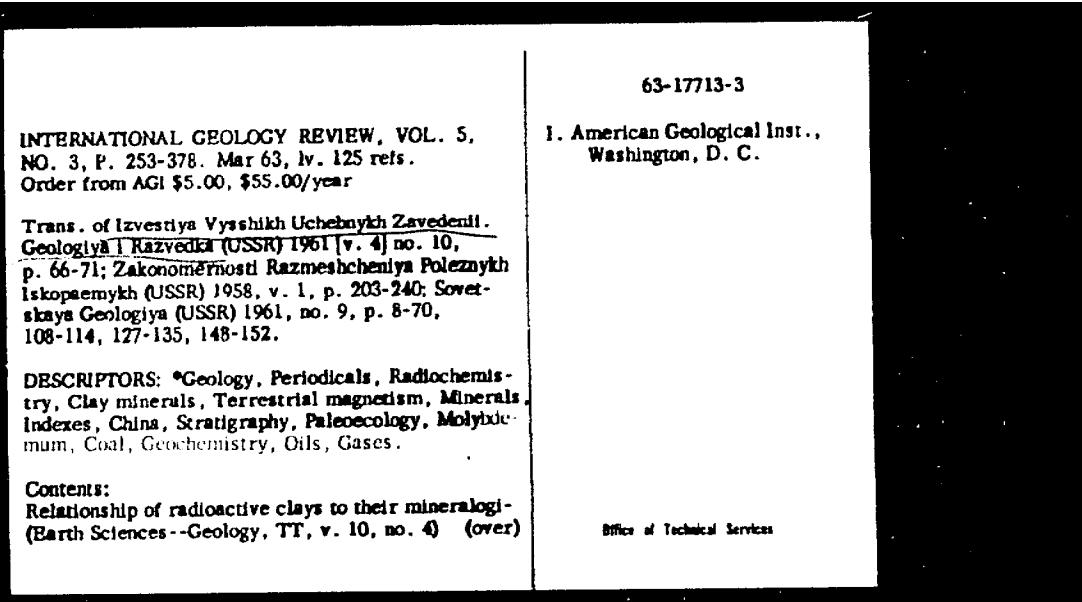
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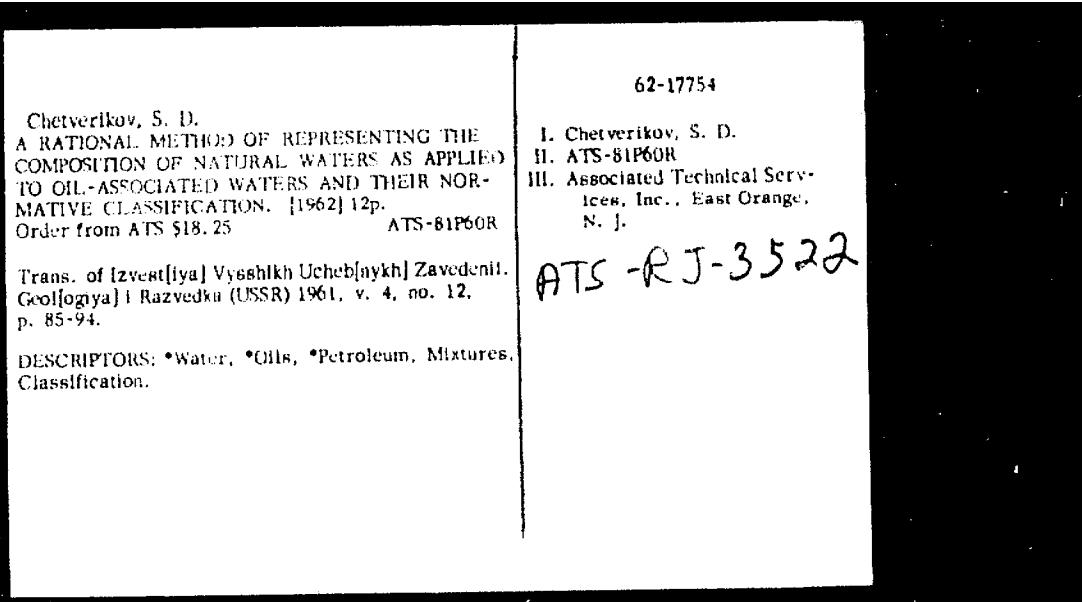
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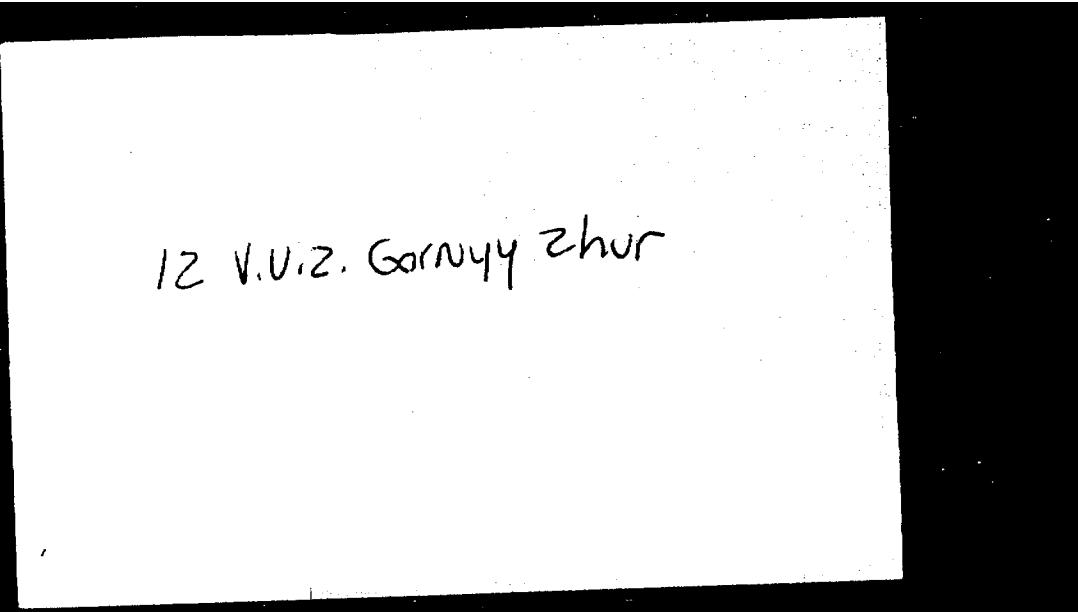
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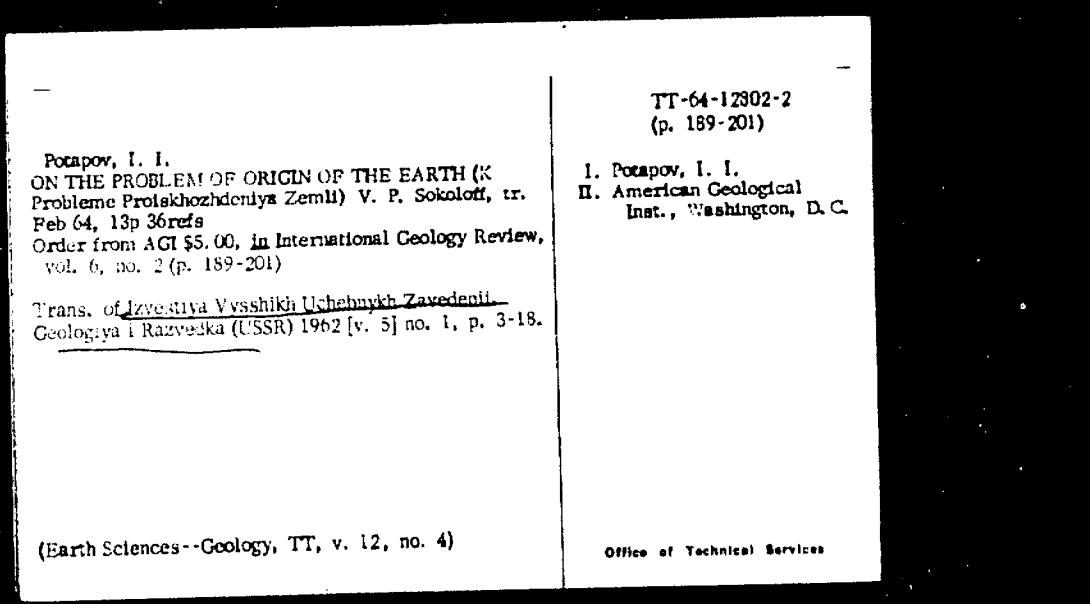
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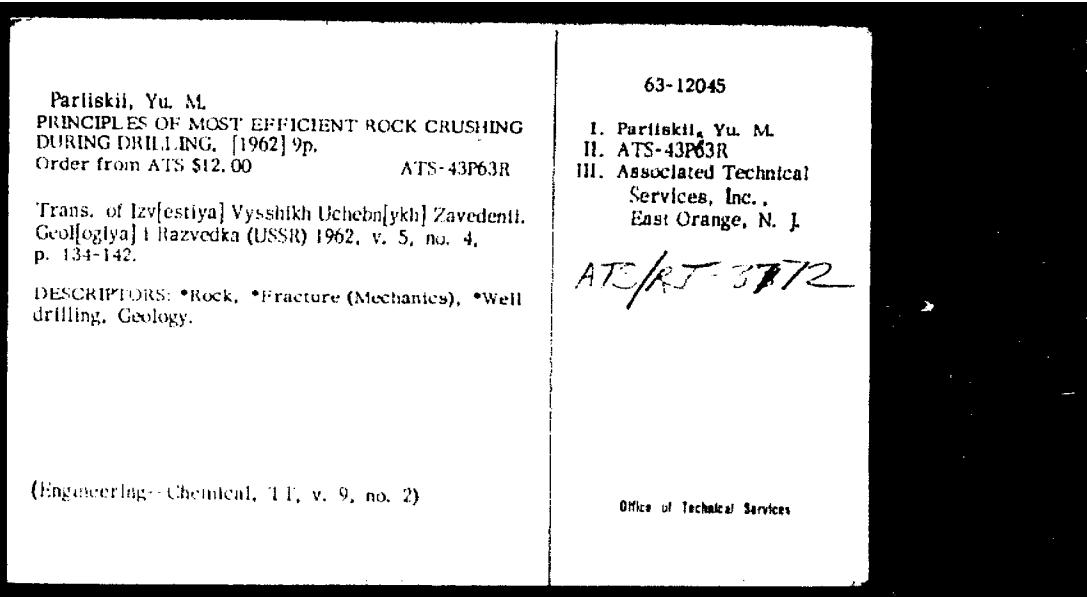
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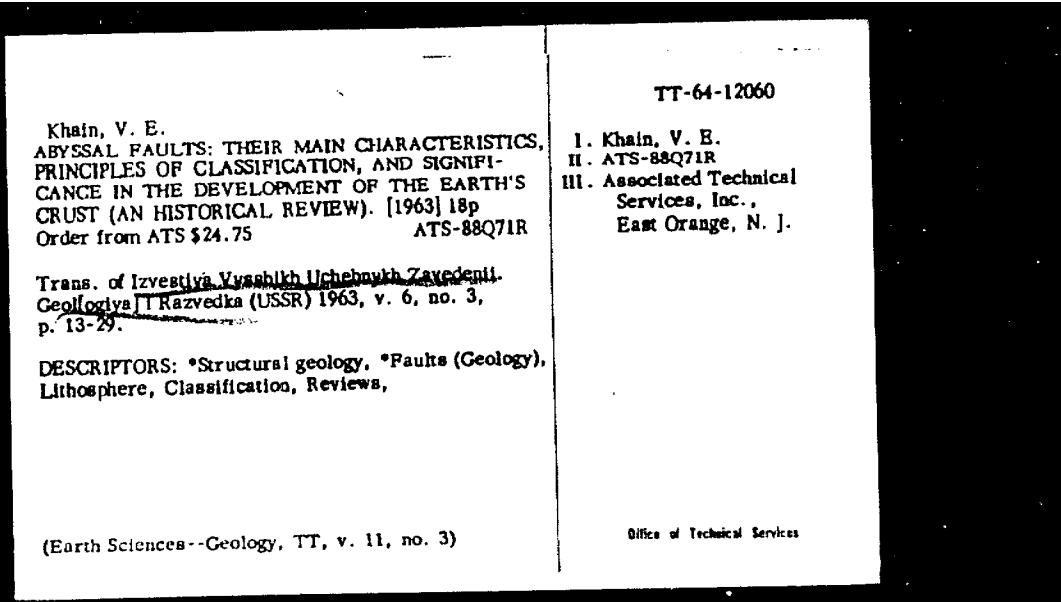
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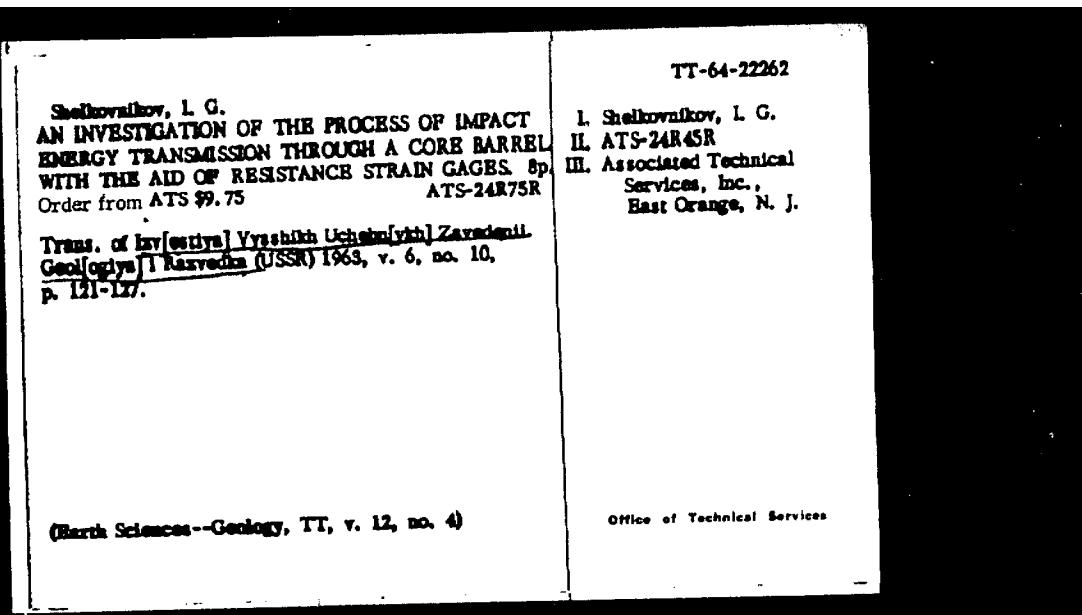
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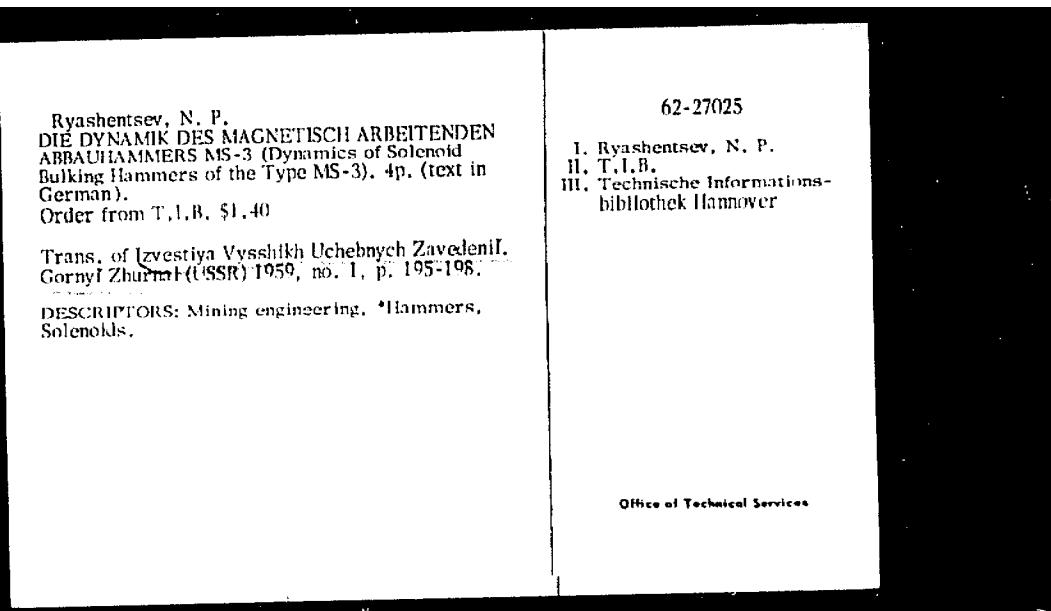
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Kulikov, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Gorniy Zhur, No 9, 1961, pp 70-76.

JPRS 11970

181, 191

USSR
Econ
Jan 62

The Effect of the Water Contained in Strata and
Coal Seams on the Gassiness of the latter, by
I. M. Pechuk.

RUSSIAN per, Iz Vysashikh Ucheb. Izved, Gornyy Zhur,
Vol V, No 3, 1962, pp 30, 32.

MLL M. 3053

Sci Phys

Nov 62

217,533

The Gor'ki reservoir, by G. P. Koshevnikov,
RUSSIAN, per, Investiya Gosudarstvennogo Nauchno-
issledovatel'skogo Instituta Ozernogo i
Technologicheskogo Khозyaistva, Vol 50, 1961, pp 51-61
NLL RTB 3021
(ON LOAN OR PURCHASE)

Sci - Biol
May 67

325,870

Calculation of Tandem Pulley Drive Systems
of Belt Conveyors, by U.I. Mikhai'lov.
RUSSIAN, per Izv. vyssh. uchebn. Zaved.,
Gornyi. Zh. No. 8, 1963, pp 54-60
SACSIR 492

Sci -
Aug 67

337-591

Davankov, A. B., Laufer, V. M. and others,
AN EXPERIMENT FOR EXTRACTING URANIUM
AND OTHER ELEMENTS FROM WATERS OF THE
ATLANTIC OCEAN. June 62, 13 refs.
Order from PS \$8.30

PS CR-4026

Trans. of Izv[estiya] V[ysshikh] U[chebnikh]
Z[avodov]. Isvetnaya Metallurgiya (USSR) 1962
[v. 5] no. 2, p. 118-123.

DESCRIPTORS: *Uranium, Chemical elements,
*Water filters, Sea water, Atlantic Ocean, Solvent
extraction.

62-17970

I. Davankov, A. B.
II. Laufer, V. M.
III. PS CR-4026
IV. Primary Sources, New York

(Engineering-Chemical, TT, v. 8, no. 4)

Office of Technical Services

12 VUZ khim i khim Tekh

K. B. Yatsimirskiy

Study of the absorption spectra and determination of the dissociation constants of molybdic acid.
RUSSIAN, Izvestiya VUZ. Khimiya i khimicheskaya
tekhnologiya, No 1, 1958, pp 53-58
C.E. trans 5897

sept 72

An Improved Method of Synthesis of
Triethylaluminium, by S. E. Kryukov, et al.
UNCL

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy --
Khim i Khim Tekhnika, No 1, 1958, pp 85-93.

SLA 52-26314
DSIR LNU RTS 1268

(Ll Oc. Od.)

RTS - RE-2146

Sci - Chem
Nov 59

100,768

The Kinetics of Menahutkin ~~HAN~~ Reactions in Non-Aqueous Solvents, by N. K. Vorob'yev,
G. F. Titova.

RUSSIAN, per, Iz Vysshikh Ucheb. Zaved., Khim 1
Khimich. Tekh., No 2, 1958, pp 17-24.

NLL RIS 2020

072 42-27291

Sci - Chem
Jun 62

201, 013

Mazurin, O. V. and Levin, A. S.
THE PROBLEM OF THE CHOICE OF A RATIONAL
METHOD OF THE MEASUREMENT OF THE ELEC-
TRIC CONDUCTIVITY OF GLASSES (K Vopros o
Vybere Rational'noi Metodiki Izmereniya Elektro-
provodnosti Stekla). [1963] [15p] (foreign text included)
4refs
Order from OTS, SLA, or ETC \$1.60 TT-64-10581

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimika i Khimicheskaya Tekhnologiya (USSR) 1958,
no. 2, p. 142-146. (Abstract available)

DESCRIPTORS: *Measuring devices (Electrical and
Electronic), *Electrical conductance, *Glass,
Resistance (Electrical), Electrodes, Graphite, Test
methods.

The resistivity of glasses was measured with graphite
electrodes (at high resistances D. C. was used, and at
(Materials--Ceramics, TT, v. 11, no. 10) (over)

TT-64-10581

I. Mazurin, O. V.
II. Levin, A. S.

Office of Technical Services

The Thermal Stability of Strongly Acidic Sulphonated Cationites. II. On the Influence of Thermal Treatment on Some Physico-Chemical Properties of the Hydrogen Form of Cationites KU-1 and KU-2, by N. G. Polyanskiy. UNCL

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim Tekhnika, No 2, 1958, pp 152-159.

DSIR LNU M.858
CTS 60-13664

Sci - Chem
Mar 60

(loan) 111,145

Investigation of the Thermomechanical
Properties of Stereo-Regular Polypropylene,
by Z. A. Rogovin, D. M. Kovarskaya. UNCL

RUSSIAN, per, Iz Vysokikh Ucheb Zaved, Khim i
Khim Tekh, No 2, 1958, pp 301-364.

DSIR LLU M.827

(loan)

111/132

Sci - Chem

Mar 60

Mazurin, O. V.

SIMILARITY OF THE DEPENDENCE OF ELECTRO-
CONDUCTIVITY AND VISCOSITY OF GLASSES (O
Skhodstve Temperaturnykh Zavisimostei Elektro-
provodnosti i Vyazkosti Stekol). [1962] [14]p. (foreign
text included) 19 refs.

Order from OTS or SLA \$1.60

62-16679

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii].
Khim[ya] i Khim[icheskaya] Tekhnologiya] (USSR)
1958, no. 3, p. 136-141.

DESCRIPTORS: *Glass, Electrical conductance, Vis-
cosity, Statistical functions.

All the experimental material found in the world litera-
ture indicates that the following relationship is typical
for glasses: $x^n \cdot \eta = C$ where n and C are con-
stants. Study of this relationship makes it possible for
us to draw certain conclusions on energy correlations in
(Materials--Ceramics, TT, v. 9, no. 2) (over)

62-16679

I. Mazurin, O. V.

Office of Technical Services

On ~~the~~ Multinuclear Chlorides of Niobium and
Tantalum, by E. I. Krylov, 6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb., Zaved. Khim. i
Khim Tekh., No 4, 1958, pp 676-679.

ABC NP Tr-543

Sci - Chem
May 61

150,367

Sodium Phenylacetate as an ~~XIII~~ Inhibitor of
Corrosion of Metals in Neutral Media, by
E. V. Bogatyreva, S. A. Balezin, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim 1
Khim Tekhnol, Vol II, No 1, 1959, pp 25-29.

ATS-RJ-2731
ATB-48M37R

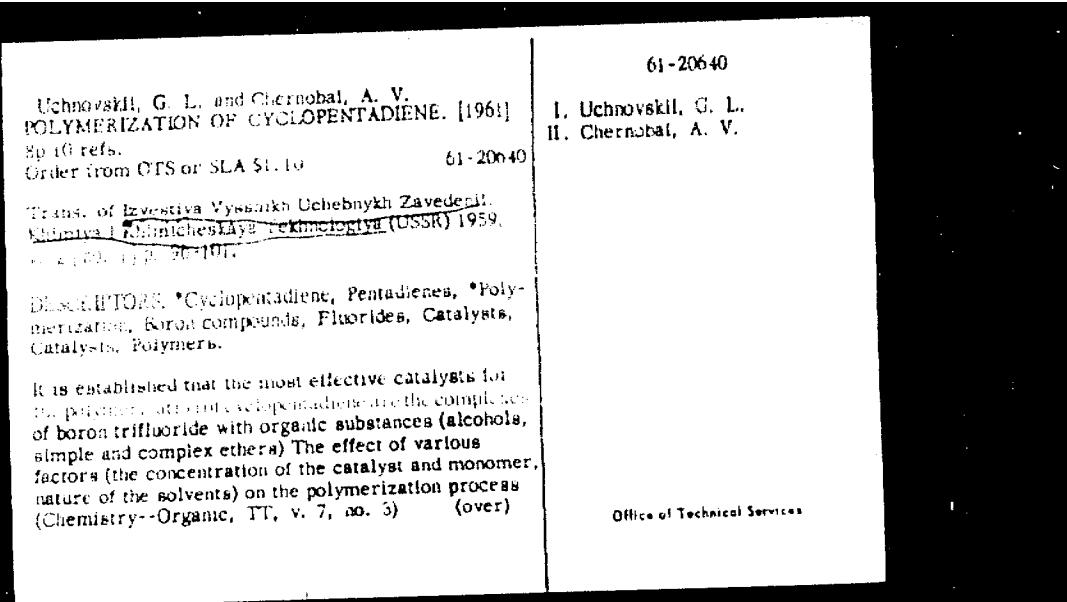
Sci

170,090

Oct 61

<p>Spryskov, A. A. and Potapova, T. L STUDIES IN SULPHONATION. I. DETERMINATION OF THE ISOMERS OF TOLUENEDISULPHONIC ACIDS (Izucheniiye Reaktsii Sul'firovaniya. I. Opre- deleniye Izomernykh Disul'fokloridov Toluola). Nov 60 [7]p. 6 refs. RTS 1578. Order from LC or SLA m!\$1.80, ph\$1.80 61-15220</p> <p>Trans. of Izvestiya Vsesoyuznogo Uchebno-khimiicheskogo Zavodeniya Khimicheskaya Tekhnologiya (USSR) 1959 [v. 2] no. 1, p. 41-45.</p> <p>Semi-quantitative solubility data are given for the salts of 18 amines with 2, 4-, 2, 5-, 2, 6- and 3, 5- toluenedisulphonic acids. The melting point diagram of the binary system 2, 4- and 3, 5-toluenedisulphonic chlorides is given. A quantitative method for the de- termination of 2, 4-, 2, 5-, 2, 6- and 3, 5-toluene- disulphonic acids mixed with one another and with sulphuric acid has been developed. The maximum error in the content of any insipiter is about 1-1.5% of the total disulphonic acids. (Author)</p>	<p>61-15220</p> <p>1. Toluene--Chemical reactions 2. Sulfonic acids--Determination 3. Title: Sulphonation I. Spryskov, A. A. II. Potapova, T. L III. Title: Determination... IV. RTS-1578 V. Department of Scientific and Industrial Research (Gt. Brit.)</p> <p>148, 733 Date: 21/4/75 1578</p> <p>Office of Technical Services (Chemistry--Analytical), TT, v. 5, no. 7)</p>
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<p>Terent'ev, A. P., Fedoseev, P. N., and Ivashova, N. P. THE USE OF ALKALINE EARTH METALS IN ORGANIC ELEMENTAL ANALYSIS. 21 Jun 63 [9p] 17 refs Order from OTS or SLA \$1.10 63-18917</p> <p>Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimicheskaya Tekhnologiya (USSR) 1959, v. 2, no. 1, p. 54-58.</p> <p>DESCRIPTORS: Chemical analysis, Organic compounds, *Nitrogen, *Sulfur, *Halogens, *Carbon, *Calcium, *Magnesium, *Alkaline earth metals, Quantitative analysis.</p> <p>The purpose of the paper is to describe methods for the qualitative determination of nitrogen, sulfur, and halogens in organic compounds by heating with metallic magnesium or calcium, and for the determination of (Chemistry--Analytical, TT, v. 10, no. 10) (over)</p>	<p>63-18917</p> <p>I. Terent'ev, A. P. II. Fedoseev, P. N. III. Ivashova, N. P.</p> <p>Office of Technical Services</p>
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<p>Ermilov, P. I. DIE ANWENDUNG NICHT IONOGENER NETZMITTEL ZUR ENTSTAUBUNG VON GASEN (The Application of Non-Ionogenic Wetting Agents for Dust Exhaust of Gases). 17p. Order from TIB \$2.70</p> <p>Trans. in German of <u>Izvestiya Vysshikh Uchebnykh</u> <u>Zavedenii. Khimiya i Khimicheskaya Tekhnologiya</u> (USSR) 1959, v. 2, no. 1, p. 134-140.</p> <p>DESCRIPTORS: Ions, *Wetting agents, Particles, *Gases, Cleaning.</p> <p>(Engineering--Chemical, TT, v. 10, no. 1)</p>	<p>63-27537</p> <p>I. Ermilov, P. I. II. Technische Informations- bibliothek, Hannover (West Germany)</p> <p>Office of Technical Services</p>	
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Affinity of Bentonite Treated With Amines for
Water, by R. A. Nikhalyuk, O. D. Kusilenko.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved SSSR, Khim i
Khim Tekh, No 2, 1959, pp 196-199.

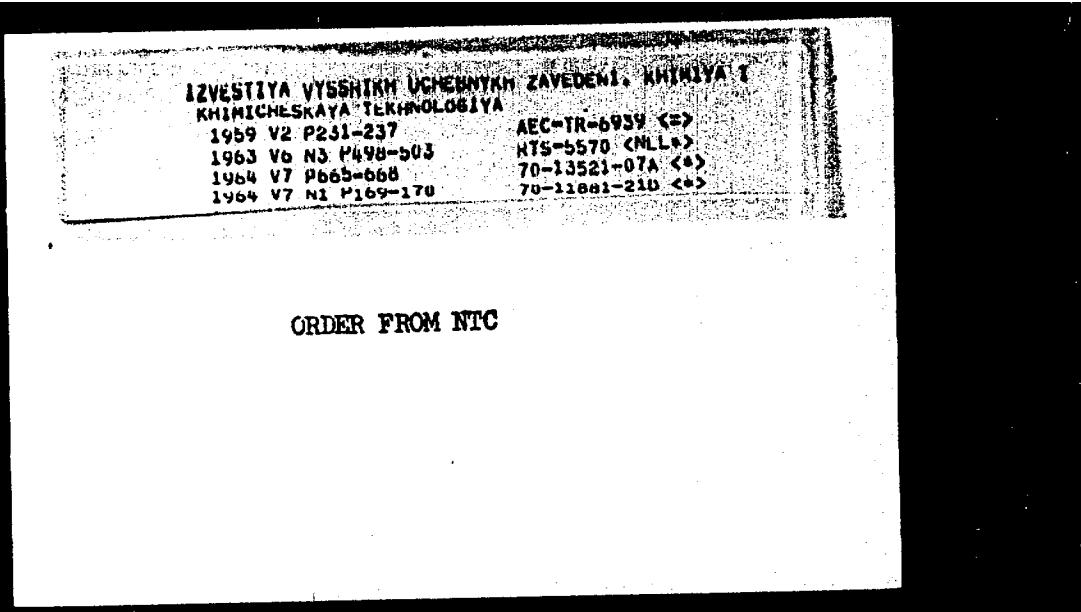
NCB A.1877
S.836
NCL 17.3.59

Sci

Aug 61

163,557

List No 41



Thermal Decomposition of Certain Nitrates, by M. M.
Karavayev, I. P. Kirillov, 6 pp.
RUSSIAN, per, Izvest Vysshikh Ucheb Zaved, Khim i
Khim Tekh, Vol II, No 2, 1959, pp 231-237. 9218742

AERE-Harwell-Tr-960

Sci-Nucl Sci
Feb 64

NLL (LOAN) Ref: 9091.9 1963

248,920

P 911201768-V AEC -TR-6939
July 1968

The Part Played by Manganese in the Electrolytic
Deposition of Zinc, by R. S. Vakhidov, G. Z.
Kir'yakov.

RUSSIAN, per, Iz Vysashikh Ucheb Zaved, Khim i
Khim Tekh, No 2, 1959, pp 238-243.

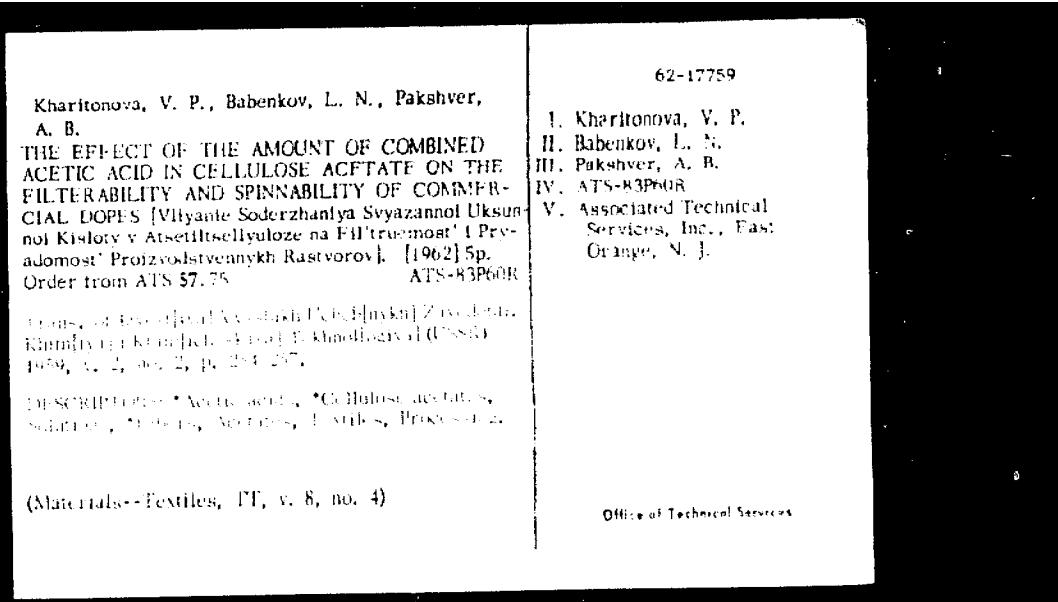
DSIR LLU RTS 1626

OTS 61-15866

169, 840

Sci - Chem

Oct 61



The Solubility of Inorganic Salts in Organic Solvents and in Their Mixtures with Water, by I. S. Pekhtashev, S. A. Voznesenskiy, 10 pp.

RUSSIAN, per, Izv Vysshikh Ucheb Zaved Khim i Khim Tekhnol, No 2, 1959, pp 827-833.

AEC-Tr-5574

Sci - Chem

Jun 63

232,404

Photocolorimetric Determination of Antimony in
Zinc Electrolytes and Alloys, by N. N. Kovalenko,
N. P. Moricheva.

RUSSIAN, per, Iz Vysashikh Ucheb Zaved Khim i Khim
Tekh, Vol II, No 3, 1959, pp 322-327.

NLL RTB 2128

Sci - ex Phys
Mar 63

226,646

Thermodynamic Properties of Mercury Compounds, by
P. G. Maslov,

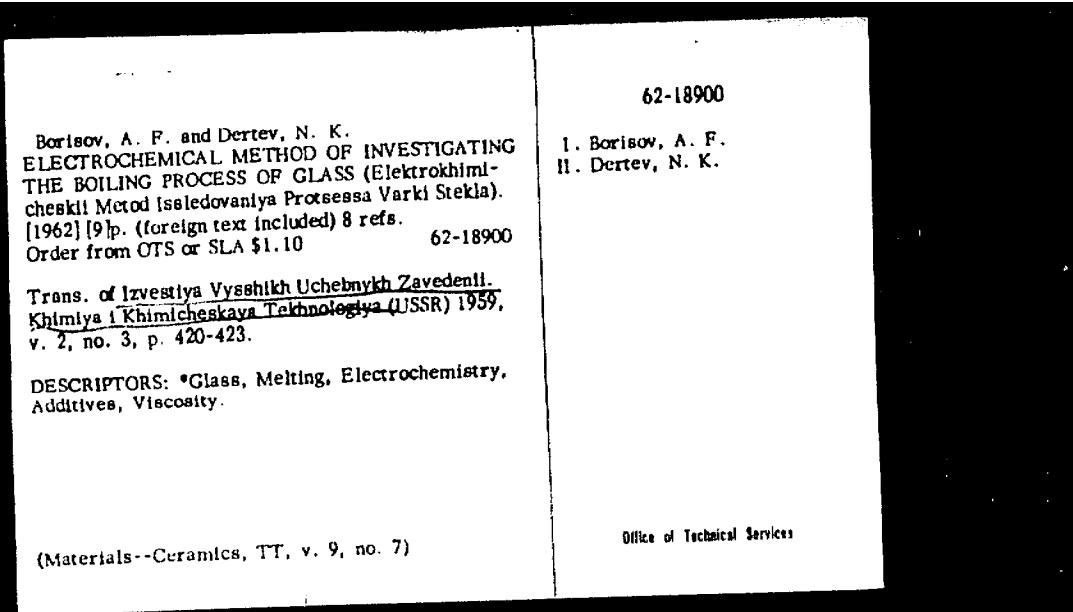
RUSSIAN, per, Iz Vysshykh Ucheb Zavedeni Khim.i
Khim Teknol., No 3, 1959, pp 335-339.

AEC Tr-4013

Sci - Chem

May 60

117,369



Zanemonets, N. A. and Fogel', V. O.
A NEW METHOD OF DETERMINATION OF THE
HEAT EFFECTS OF THE VULCANIZATION RE-
ACTION OF RUBBERS, tr. by G. F. Hill, 20 Jan 62
[12p. 8 refs. AOMC Trans. nr 5-62.
Order from OTS or SLA \$1.60]

62-15513

Trans. of Izvestiya Vysashikh Uchebnykh Zavedenii.
Khimika i Khimicheskaya Tekhnologiya (USSR) 1959
[v. 2] no. 3, p. 437-442.

DESCRIPTORS: *Thermodynamics, *Vulcanization,
*Rubber, Heat, Kinetic theory, Combustion, Thermal
conductivity, Calorimetry.

A new method is proposed for the determination of the
heat effects of the vulcanization reaction by means of
composing heat balances on the basis of thermo-
graphic analyses (method of thermographic balances).
The new method was verified in the investigation of
(Materials--Rubber, TT, v. 8, no. 10) (over)

62-15513

- I. Zanemonets, N. A.
- II. Fogel', V. O.
- III. AOMC Trans-5-62
- IV. Army Ordnance Missile Com-
mand, Redstone Arsenal, Ala.

Office of Technical Services

Thermal Decomposition of Coal Tar Pitches,
by A. N. Chistyakov. UNCL

RUSSIAN, per, Iz Vysokikh Ucheb Zaved, Khim i
Khim Tekh, No 3, 1959, pp 449-453.

DSIR LLU M.1326

(loan)

Sci - Fuels

112,695

Apx 60

<p>Selivanova, N. M. and Sineider, V. A. THE PHYSIOCHEMICAL PROPERTIES OF SELENATES. V. THE HEAT OF FORMATION OF CALCIUM SELENATE FROM THE ELEMENTS. [1961] [7]p. 20 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of Izvestiya Vysshikh Uchebnykh Zayedensii, <u>Khimika i Khimicheskaya Tekhnologiya</u> (USSR) 1959, v. 2, no. 4, p. 475-479.</p> <p>DESCRIPTORS: *Heat of formation, *Heat of reaction, *Heat of solution, Silver compounds, Nitrates, Calcium compounds, *Selenates, Water, Thermochemistry.</p> <p>The heat of the reaction between calcium selenate and a silver nitrate solution was determined and the integral heat of solution of calcium selenate dihydrate in water (1:1600) was measured under standard conditions. The (Chemistry--Physical, TT, v. 6, no. 10) (over)</p>	<p>61-27877</p> <p>I. Selivanova, N. M. II. Sineider, V. A. III. Title: Heat ... IV. Translations, New York</p> <p>157073</p> <p>Office of Technical Services</p>
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Thermal and Tensimetric Study of the System
 $\text{NaCl}_3\text{-FeCl}_3\text{-NaCl}$, by I. S. Morozov, B. G. Korshunov,
pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim
Tekh, Vol II, No 4, 1959, pp 485-489.

AT&T-271422
AT&T/RJ-2553
190, 250

Sci

Apr 62

Vol IV, No 6

Maslov, P. G. and Maslov, Yu. P.
THE THERMODYNAMIC PROPERTIES OF COM-
POUNDS CONTAINING LANTHANITES. [1961] [7p].
11 refs.

Order from OTS or SLA \$1.10 61-27885

Trans. of [Izvestiya Vseshikikh Uchebnykh Zavedenii],
Khimiya i Khimicheskaya Tekhnologiya (USSR)
[1959] v. 2, no. 4, p. 516-521.

DESCRIPTORS: *Thermodynamics, Crystals, Crystal
structure, Solutions, Entropy, Heat of formation,
*Lanthanites, Halides, Rare earth compounds,
Ammino compounds.

The thermodynamic properties were calculated for 95
mixed halide:lanthanites in the crystalline state and for
the standard solution. A general diagram was found
for determining the thermodynamic characteristics for
a series of families of crystalline lanthanites of the
(Physics--Thermodynamics, TT, v. 6, no. 11) (over)

61-27885

I. Maslov, P. G.
II. Maslov, Yu. P.
III. Translations, New York

188735

Office of Technical Services

Investigation of the Interaction of Minerals
Containing Alkali Elements With Salts and
Oxides in Sintering and Melting Processes. II.
Thermographical Investigation of the Interaction
Process of Pollucite With Calcium Oxide and
Calcium Chloride, by V. Ye. Plyushchev, I. V.
Shalhno.

RUSSIAN, per, Iz Vyssh Ucheb Zaved, Khim i Khim
Tekhnol, Vol II, No 4, 1959, pp 582-588.

SUA 60-17596

Dept of Interior
TN7, E57, No 329

SCI - Chemistry
Oct 60

128, 662

Selivanova, N. M. and Schneider, V. A.
THE PHYSIOCOCHEMICAL PROPERTIES OF
SELENATES. VI. THE SOLUBILITY OF CALCIUM
SELENATE IN WATER AT DIFFERENT TEMPERA-
TURES. [1961] [8]p. 23 refs.
Order from OTS or SLA \$1.10

61-27884

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Khimika i Khimicheskaya Tekhnologiya (USSR) 1959
[v. 2] no. 5, p. 651-656.

DESCRIPTORS: Solubility, Water, *Heat of solution,
Entropy, Thermodynamics, Thermochemistry,
Calcium compounds, *Selenates.

The polytherm of the solubility of CaSeO₄·2H₂O in
water was investigated from the cryohydrate point to
the boiling point of the saturated solution. The experi-
mental data obtained were used for calculating the dif-
ferential and integral heats of solution of this salt. The
(Chemistry--Physical, TT, v. 6, no. 10) (over)

61-27884

- I. Selivanova, N. M.
II. Schneider, V. A.
III. Title: Solubility...
IV. Translations, New York

Office of Technical Services

CATALYTIC EFFECTS OF QUATERNARY AMMONIUM
SALTS ON THE RATES OF MENSHTKIN TYPE REACTIONS
IN ORGANIC SOLVENTS, BY N. K. VOROB'YEV,
G. F. TITOVA.

RUSSIAN, PER, IZ VYSSHikh UCHEB ZAVED:
KHIM I KHMICH TEKH, VOL 11, 1954, PP 685-692.

NLL RTS 2021

SCI - CHEM

JUN 62

199,096